

**SUPERIOR BRASS & ALUMINUM CASTING CO.**  
**4893 Dawn Ave.**  
**East Lansing, MI 48823**

ANNUAL REPORT OF HAZARDOUS WASTE EXPORTS FOR CALENDAR YEAR 2011

1. PRIMARY EXPORTER (Consignor)  
Name: Superior Brass & Aluminum Casting Co.  
EPA ID No: MID005339155  
Mailing Address: 4893 Dawn Avenue  
City: East Lansing State: MI Zip Code: 48823  
Site Address: 4893 Dawn Avenue  
City: East Lansing State: MI Zip Code: 48823
2. CALENDAR YEAR: 2011
3. DESIGNATED DISPOSAL FACILITY (Consignee)  
Name: Newalta Corporation  
Address: 1731 Pettit Road  
Fort Erie, Ontario, Canada L2A 5M4  
EPA ID No: MIK982753857
4. WASTE SENT to NEWALTA CORPORATION:  
Waste Information:  
Description of Waste: Waste Bag House Dust/Filters  
EPA Hazardous Waste Number: D008 (lead) and D006 (Cadmium)  
DOT Proper Shipping Name: Waste Environmentally Hazardous  
Substance, Solid, NOS  
DOT Hazard Class: 9  
DOT ID Code (UN/NA): UN3077  
  
Under:  
US EPA Acknowledgement Numbers:  
236/10, (May 21, 2010 – May 17, 2011)  
002507/4E/11, (May 20, 2011 – May 19, 2012)  
  
Environment Canada Permit Numbers:  
10/00236/IMP, (May 21, 2010 – May 17, 2011)  
11/02507/IMP, (20, May, 2011 – 19, May, 2012)  
  
Shipping Information:  
Number of Shipments during Calendar Year: Two (2)  
a. On 04/19/11 shipped 1,350 pounds (613 kgs) in 15, 55-gallon drums, via  
transporter:  
Harold Marcus Limited  
EPA ID No: MIT270012321

received  
SJH 1/30/2012

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- b. On 09/28/11 shipped 902 pounds (409 kgs) in 11, 55-gallons drums, via transporter:  
Harold Marcus LTD.  
EPA ID No: MIT2710012321
- c. Total Volume of Waste shipped in calendar year 2011 summary:  
Two shipments totaling 2,252 pounds, (1,022 kgs) in 26, 55-gallon drums.

5. WASTE MINIMIZATION STATEMENT

☐ Not Required this year  
☒ Attached

6. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Signed:  Date: 01-20-12

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2011 WASTE MINIMIZATION STATEMENT  
FOR WASTE BAGHOUSE DUST

I. PRODUCTION

Waste baghouse dust is the collection of fumes generated by the melting of brass/bronze ingots. Lead and cadmium are the main toxic elements found in the fumes from our brass and bronze alloys melted resulting in the need to dispose of a hazardous waste. Cadmium is not even listed as a composition element in any of our brass/bronze alloys. Cadmium has been found only in trace amounts in these alloys and will difficult to minimize. Lead will be the main focus of waste minimization. The collected fumes from the melting of these alloys pass through a dust collector where dust particles are removed from the air stream. The quantity and quality of this waste is based on customer orders for various brass/bronze parts pour out of various alloys. Based on our customer orders, Superior Brass & Aluminum Casting Co, (Superior Brass) in calendar year 2011 poured nine different brass/bronze alloys.

SUPERIOR BRASS - BRASS/BRONZE ALLOYS POURED IN 2010

ALLOY ASTM DESIGNATION	ALLOWABLE % LEAD IN EACH ALLOY (by weight)
C83600 (85-5-5-5)	4.0 -6.0 %
C86200 (423 MnBr)	Maximum 0.2 %
C86300 (424 MnBr)	Maximum 0.4 %
C86400 (420 MnBr)	0.5 – 1.5 %
C86500 (421 MnBr)	Maximum 0.4 %
C86700 (422 MnBr)	0.5 – 1.5 %
C87600 (Sil Br)	Maximum 0.09 %
C89836 (envirobrass)	Maximum 0.09 %
C99500 (NDZS specialty)	Maximum 0.09 %

II. MINIMIZATION

Superior Brass continues to address the minimizing of our hazardous waste (lead) through the offering of alternative alloys for our customers parts. Our intent is to reduce the amount of parts made of the higher C83600 alloy thus reducing the amount of lead that potentially gets into our waste. In 2011, the amount of C83600 alloy parts dropped by over 50% compared to 2010 parts. C83600 alloy parts made up less than 5% of all the parts Superior Brass made in 2011 down over 2% compared to parts shipped in 2010. We will continue to offer alternative alloys to our customers for their parts. We hope these alternative alloys will be considered by our customers thus allowing the quantity and quality of our hazardous waste to decrease in the future.



7010 2780 0001 1511 7357



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20460

U.S. POSTAGE  
PAID  
OKFMS MI  
48864  
JAN 20, 12  
AMOUNT  
**\$6.03**  
00069587-06

## First Class Mail

RETURN RECEIPT  
REQUESTED

Superior Brass & Aluminum  
4893 Dawn Ave  
East Lansing, MI 48823

7235

Office of Enforcement and  
Compliance Assurance  
Office of Federal Activities  
International Compliance Assur.  
Division (2254A)  
Environmental Protection Agency  
1200 Pennsylvania Ave., NW  
Washington, DC 20460

*Scott*

Route

### EPA Mail

To: **Federal Activities**

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